

Claims

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1. A computer-implemented method for testing and monitoring applications, the method comprising:

- (a) sending a first test signal to elicit a response from a first element of an application;
- (b) monitoring the application for the response to the first test signal;
- (c) checking the response to the first test signal;
- (d) sending a second test signal to elicit a response from a second element of the application, wherein the second element is independent and distinct from the first element;
- (e) monitoring the application for the response to the second test signal;
- (f) checking the response to the second test signal; and
- (g) reporting the results of checking the responses to the first and second test signals.

2. The computer implemented method of claim 1, wherein the results comprise the response time from the sending of one of the test signal to the receiving of the response to that test signal by the monitoring program and the time at which that test signal was sent.

3. The computer-implemented method of claim 1, wherein reporting the results comprises sending notification based on the presence of predefined results.

4. The computer-implemented method of claim 3, wherein sending notification comprises sending a page.

5. The computer-implemented method of claim 3, wherein sending notification comprises sending an e-mail.

6. The computer-implemented method of claim 1, wherein reporting the results comprises recording the results in a datastore.

7. The computer-implemented method of claim 6, wherein recording the results in a datastore comprises storing the results in a text file.

8. The computer-implemented method of claim 6, wherein recording the results in a datastore comprises storing the results in a relational database.

9. The computer implemented method of claim 1, wherein reporting the results comprises:

sending notification based on the presence of predefined results; and
recording the results in a datastore.

10. A computer-implemented method for testing and monitoring applications, the method comprising:

- (a) sending a first test signal to elicit a response from a first channel of an application;
- (b) monitoring the application for the response to the first test signal;
- (c) checking the response to the first test signal;
- (d) sending a second test signal to elicit a response from a second channel of the application, wherein the second element is independent and distinct from the first element;
- (e) monitoring the application for the response to the second test signal;
- (f) checking the response to the second test signal; and
- (g) reporting the results of checking the responses to the first and second test signals.

11. The computer-implemented method of claim 10, wherein the application is a messaging service, wherein one of the first and second channels is a send channel, and wherein the other of the first and second channels is a receive channel.

12. The computer-implemented method of claim 10, wherein the application is a publish/subscribe service, wherein the one of the first and second channels is a publish channel, and wherein the other of the first and second channels is a subscribe channel.

13. A computer-implemented method for testing and monitoring applications, the method comprising:

- (a) sending a first test signal to elicit a response from a first object of an application;
- (b) monitoring the application for the response to the first test signal;
- (c) checking the response to the first test signal;
- (d) sending a second test signal to elicit a response from a second object of the application, wherein the second element is independent and distinct from the first element;
- (e) monitoring the application for the response to the second test signal;
- (f) checking the response to the second test signal; and
- (g) reporting the results of checking the responses to the first and second test signals.

14. The computer-implemented method of claim 13, wherein the application is a naming service; wherein the one of the first and second objects is a register object; and wherein the other of the first and second objects is a resolve object.

15. The computer-implemented method of claim 13, wherein the application is a CORBA-compliant transaction service; wherein the first object is an OTS daemon, wherein the second object is a completion daemon and further comprising;

- (a) sending a third test signal to elicit a response from a recovery daemon;
- (b) monitoring the application for the response to the first test signal;

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- (c) checking the response to the third test signal;
 - (d) sending a fourth test signal to elicit a response from a transaction daemon;
 - (e) monitoring the application for the response to the fourth test signal;
 - (f) checking the response to the fourth test signal;

wherein reporting the results of checking the responses to the first and second test signals comprises reporting the results of checking the responses to the first, second, third, and fourth test signals; and wherein the sending of the first through fourth test signals may occur in any order.

16. The computer-implemented method of claim 1, wherein the application is an authentication and authorization system and wherein one of the first and second elements is an access server and wherein the other of the first and second elements is a register server.

17. A computer program product for implementing a method for testing and monitoring applications, the computer program product comprising:

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- (a) computer code that sends a first test signal to elicit a response from a first element of an application;
 - (b) computer code that monitors the application for the response to the first test signal;
 - (c) computer code that checks the response to the first test signal;
 - (d) computer code that sends a second test signal to elicit a response from a second element of the application, wherein the second element is independent and distinct from the first element;
 - (e) computer code that monitors the application for the response to the second test signal;
 - (f) computer code that checks the response to the second test signal; and
 - (g) computer code that reports the results of checking the responses to the first and second test signals; and
 - (h) a computer readable medium that stores the computer codes.

18. A computer program product as recited in claim 17 wherein the computer readable medium is a code representation embodied in a carrier wave.

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